

REMARKS


The Applicants respectfully request the Preliminary Amendment be entered as the amendment places the claims as well as the Specification in proper form.

New Claims 8 - 16 replace now cancelled Claims 1 - 7. New Claims 15 and 16 replaces the use claim of now cancelled Claim 7. New Claim 17 is directed to a rubber mixture comprising rubbers and fillers. Support is shown in the Specification on page 7, lines 22 - 30. New Claim 18, which is dependent on Claim 17, claims the filler as silicas or carbon blacks or mixtures thereof. Support for new Claim 18 is shown in the Specification on page 8, lines 25 - 27. New Claim 19, which is dependent on Claim 18, claims the filler as a mixture of a paled colored filler and carbon black. New Claim 20, which is dependent on Claim 19, claims the mixing ratio of paled colored filler to carbon black is 0.05 to 20. New Claim 21, which is dependent on Claim 20, claims the mixing ratio as 0.1 to 10. New Claim 22, which is dependent on Claim 19, claims the paled colored filler as a highly dispersed silica. Support for new Claims 19 - 22 is shown in the Specification on page 8, lines 28 - 30.

The Applicants respectfully submit that no new matter is added.

Respectfully submitted,

By



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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

Kindly replace the Title of the Invention with the following:

--HYDROXYL GROUP-CONTAINING DIENE RUBBERS--.

On page 1, line 2, kindly insert the following:

-- FIELD OF THE INVENTION --.

On page 1, line 10, kindly insert the following:

--BACKGROUND OF THE INVENTION--.

On page 2, line 10, kindly insert the following:

-- SUMMARY OF THE INVENTION --.

On page 2, line 22, kindly insert the following:

--DETAILED DESCRIPTION OF THE INVENTION--.

On page 5, please replace the paragraph beginning on line 18 with the following:

The average molecular weight of the hydroxyl group-containing rubbers is between ~~50,000 and 2,000,000~~ 50,000 and 2,000,000, preferably between ~~400,000 and 1,000,000~~ 100,000 and 1,000,000.

IN THE CLAIMS:

Kindly cancel Claims 1 - 7.

Kindly add the following new Claims:

-- 8. Rubbers comprising one or more hydroxyl-groups which are produced from diolefins, wherein said rubber(s) contain in the range 0.1 to 2 wt.% of bonded primary hydroxyl groups and have a glass transition temperature between -120 and -50°C.

9. Rubbers according to Claim 8, wherein 1,3-butadiene and/or isoprene are used as diolefins.

10. Rubbers according to Claim 8, wherein the cis-1,4 content of the rubber, which is polymerized in solution, is greater than 30 %.

11. Rubber mixtures comprising rubbers comprising one or more hydroxyl-groups which are produced from diolefins, wherein said rubber(s) contain in the range 0.1 to 2 wt.% of bonded primary hydroxyl groups and have a glass transition temperature between -120 and -50°C, and additional rubbers selected from the group consisting of natural rubber, polyisoprene and styrene/butadiene copolymers with styrene contents between 10 and 50 wt.%, in an amount of 0.5 to 95 wt.% with respect to the entire amount of rubber in the rubber mixture.

12. Rubber mixtures according to Claim 11, wherein said additional rubbers are present in an amount of 40 to 90 wt.% with respect to the entire amount of rubber in the rubber mixture.

13. A process for preparing rubber mixtures containing in addition to rubbers, which comprise one or more hydroxyl-groups which are produced from diolefins, wherein said rubber(s) contain in the range 0.1 to 2 wt.% of bonded primary hydroxyl groups and have a glass transition temperature between -120 and -50°C, additional rubbers selected from the group consisting of natural rubber, polyisoprene and styrene/butadiene copolymers with styrene contents between 10 and 50 wt.%, in an amount of 0.5 to 95 wt.% with respect to the entire amount of rubber in the rubber mixture, comprising the step of adding one or more fillers to the solution of rubber(s) in amounts in the range 0.5 to 500 parts by wt. with respect to 100 parts by wt. of rubber, and optionally, further auxiliary substances for processing and/or further working-up and/or stabilization are added and then removing the solvent.

14. A process according to Claim 13, wherein the solvent is removed with the assistance of steam.

15. Molded items comprising rubber mixtures, which contain rubbers comprising one or more hydroxyl-groups which are produced from diolefins, wherein said rubber(s) contain in the range 0.1 to 2 wt.% of bonded primary hydroxyl groups and have a glass transition temperature between -120 and -50°C, and additional rubbers selected from the group consisting of natural rubber, polyisoprene and styrene/butadiene copolymers with styrene contents between 10 and 50 wt.%, in an

amount of 0.5 to 95 wt.% with respect to the entire amount of rubber in the rubber mixture.

16. A molded item according to Claim 15, wherein said molded item is a tire tread or tire sidewall

17. Rubber mixtures comprising rubbers comprising one or more hydroxyl-groups which are produced from diolefins, wherein said rubber(s) contain in the range 0.1 to 2 wt.% of bonded primary hydroxyl groups and have a glass transition temperature between -120 and -50°C, and fillers present in an amount of 0.5 to 5 parts by weight with respect to 100 parts by weight of rubber. elected from the group consisting of natural rubber, polyisoprene and styrene/butadiene copolymers with styrene contents between 10 and 50 wt.%, in an amount of 0.5 to 95 wt.% with respect to the entire amount of rubber in the rubber mixture.

18. Rubber mixtures according to Claim 17, wherein said fillers are selected from the group consisting of silicas and carbon blacks or mixtures thereof.

19. Rubber mixtures according to Claim 17, wherein said filler is a mixture of pale colored filler and carbon black.

20. Rubber mixtures according to Claim 19, wherein the mixing ratio of pale colored filler to carbon black is 0.05 to 20.

21. Rubber mixture according to Claim 20, wherein the mixing ratio is 0.1 to 10.

22. Rubber mixture according to Claim 19, wherein said pale colored filler is a highly dispersed silica.--.